

**RECEIVED**  
**CENTRAL FAX CENTER****FEB 19 2008**

Docket No.: 0020-4925P

Application No. 09/987,469  
Amendment dated February 19, 2008  
Reply to Office Action of November 16, 2007

**AMENDMENTS TO THE CLAIMS**

Claim 1. (Currently Amended) A golf ball comprising  
a core and  
a cover covering the core,  
wherein the core is formed from a rubber composition comprising cis-1,4-polybutadiene  
and  
the cover, having a thickness of 0.5 to 1.5 mm and a hardness in Shore D of 33 to 52,  
comprises polyurethane-based thermoplastic elastomer formed by using nonionic cycloaliphatic  
diisocyanate in the backbone structure of the polyurethane molecule as a base resin selected from  
the group consisting of 4,4'-dicyclohexylmethane diisocyanate, 1,3-bis  
(isocyanatomethyl)cyclohexane, isophorone diisocyanate, and trans-1,4-cyclohexane  
diisocyanate;  
~~wherein the nonionic cycloaliphatic diisocyanate base resin is present in an amount~~  
~~greater than 60% by weight based on the total weight of the elastomer,~~  
and the core has a deformation amount of 2.5 to 4.5 mm, when applying from an initial  
load of 98 N to a final load of 1275 N on the core, and  
the golf ball has a deformation amount of 2.4 to 4.0 mm, when applying from an initial  
load of 98 N to a final load of 1275 N on the golf ball.

Claim 2. (Canceled)

Claim 3. (Canceled)

Claim 4. (Previously Presented) The golf ball of claim 1, wherein the core deformation  
amount is 2.6 to 4.2 mm.

Claim 5. (Previously Presented) The golf ball of claim 1, wherein the core deformation  
amount is 2.7 to 4.0 mm.

Docket No.: 0020-4925P

Application No. 09/987,469  
Amendment dated February 19, 2008  
Reply to Office Action of November 16, 2007

Claim 6. (Previously Presented) The golf ball of claim 1, wherein the thermoplastic elastomer is formed by using 4,4'-dicyclohexylmethane diisocyanate.

Claim 7. (Previously Presented) The golf ball of claim 1, wherein the cover further comprises another thermoplastic elastomer or ionomer resin in an amount of 0 to 40 parts by weight based on 100 parts by weight of the whole resin for the cover.

Claim 8. (Previously Presented) The golf ball of claim 1, wherein the deformation amount for the golf ball is 2.5 to 3.7 mm.

Claim 9. (Previously Presented) The golf ball of claim 1, wherein the deformation amount for the golf ball is 2.6 to 3.4 mm.